

Fig. 1a Location Device Scheme 1

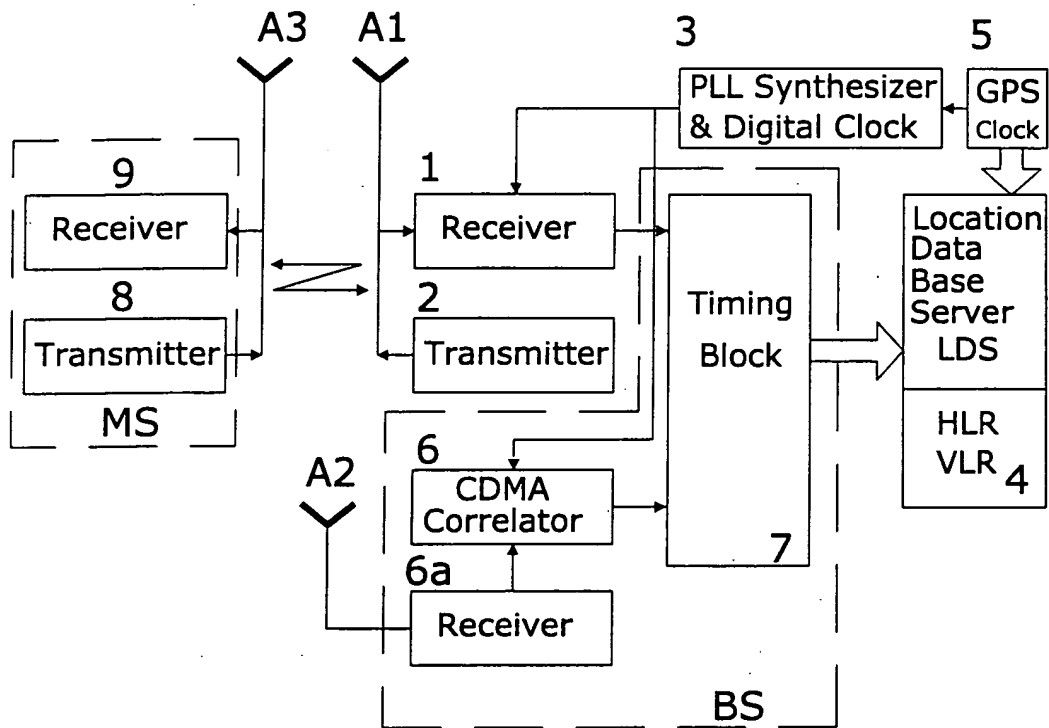


Fig. 1b Location Device Scheme 2

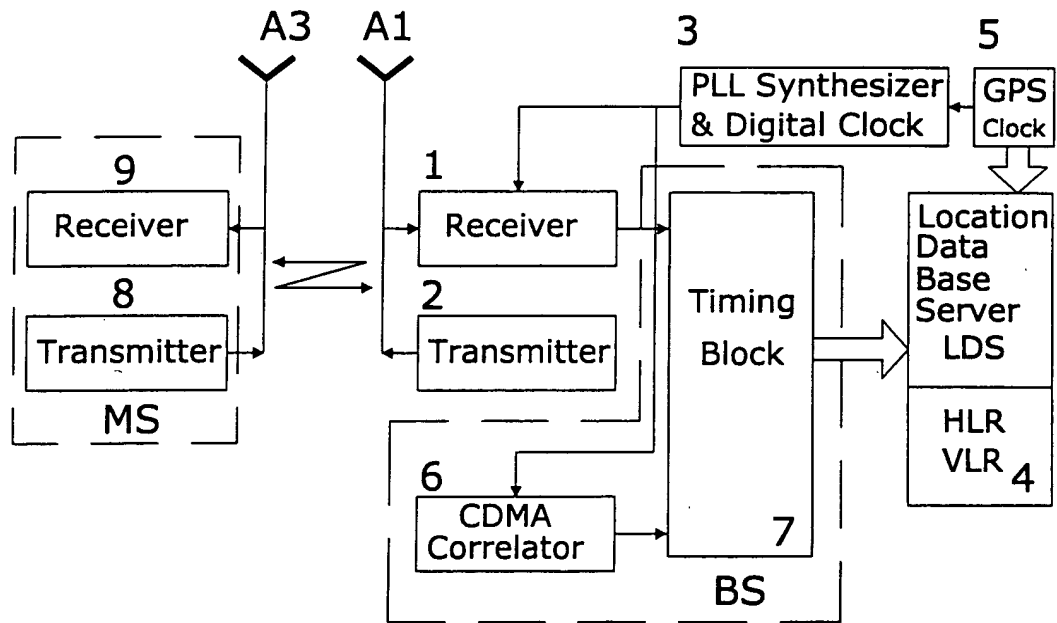


Fig. 1c Location Service Scheme

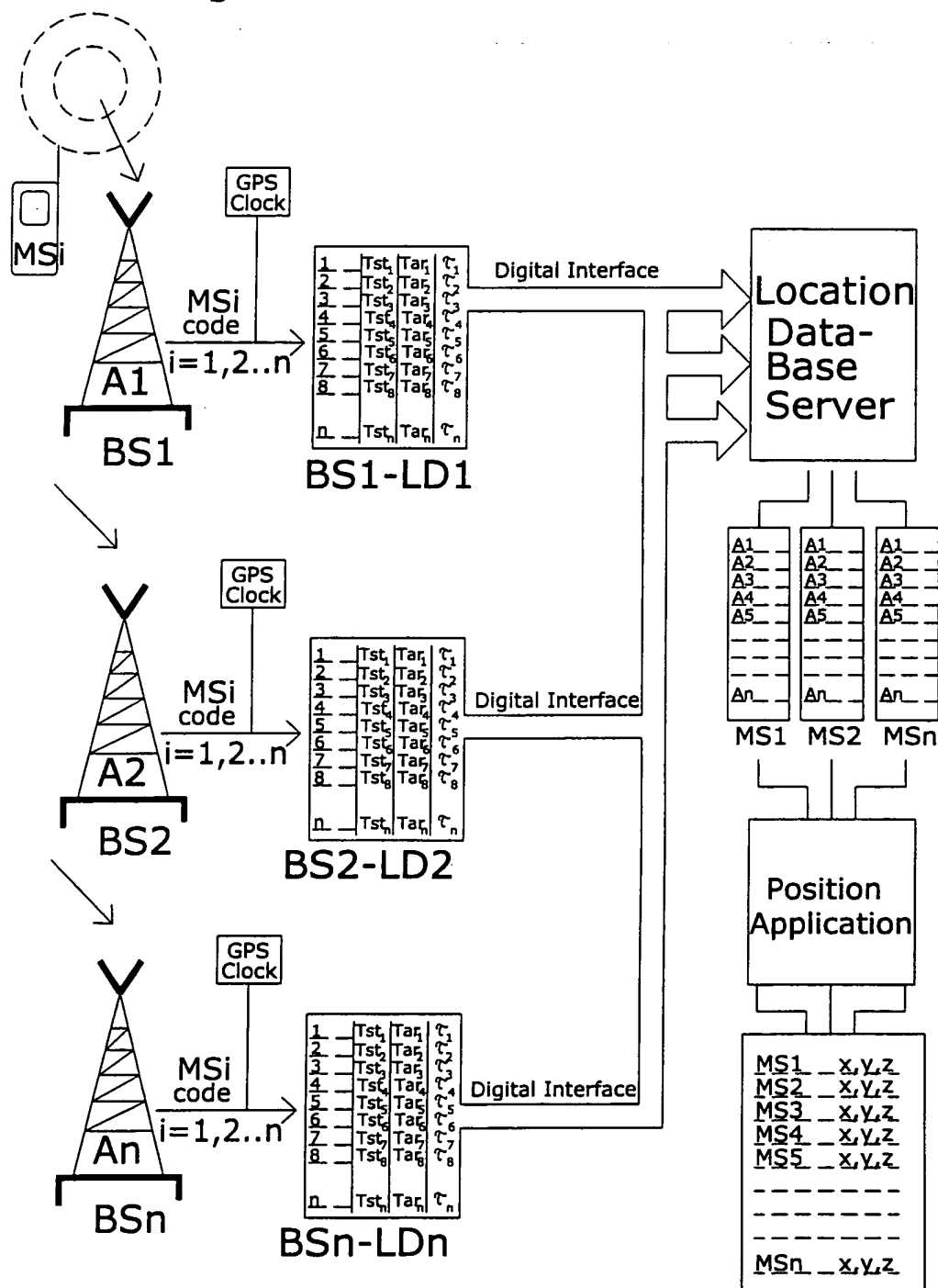


Fig. 2 Diagram of BTS Receiver with Timing Block Device

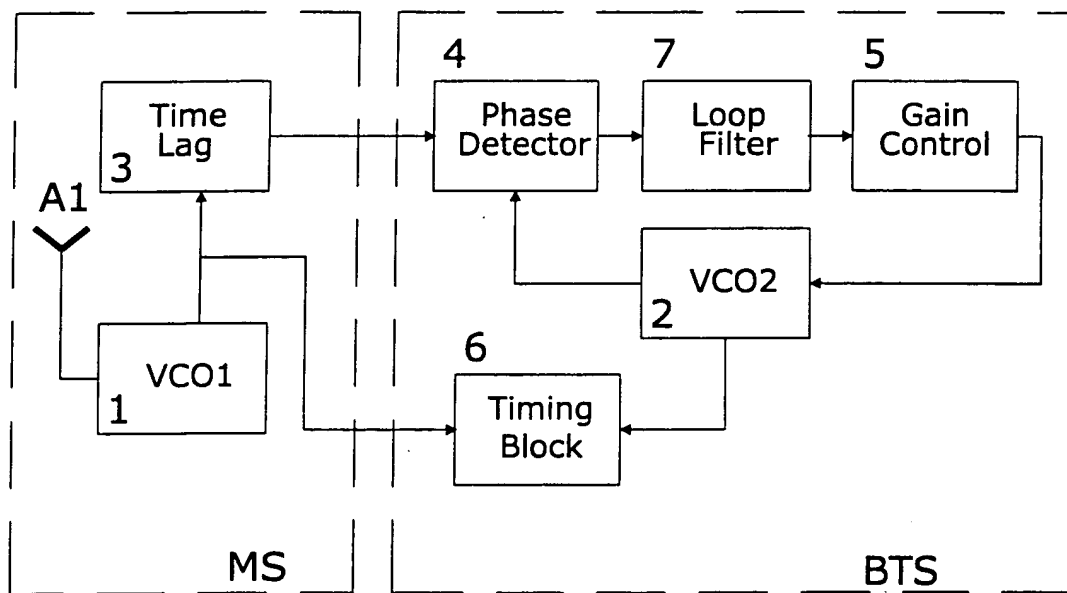


Fig. 3a & 3b Location Device and Antenna Configuration Scheme

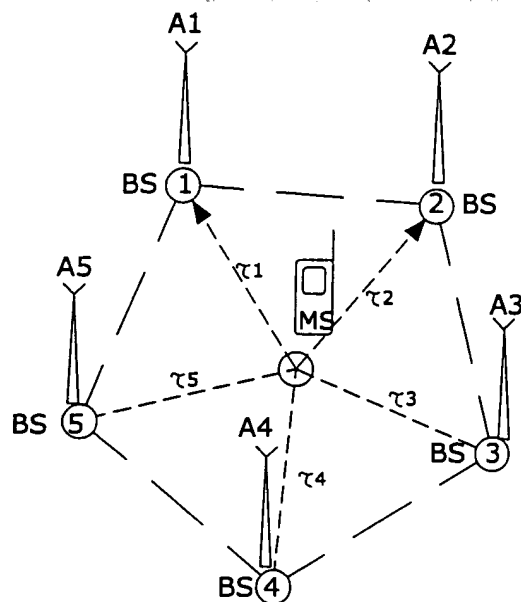


Fig. 3a

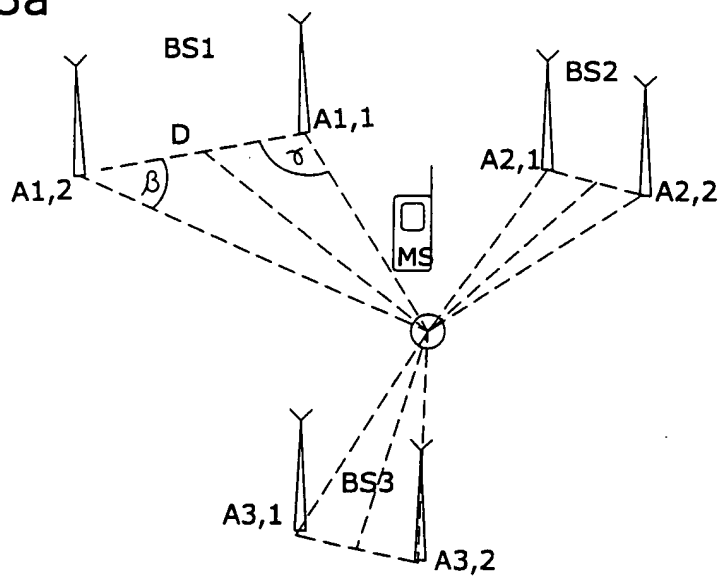


Fig. 3b



Fig. 4b Diagram of Location Device LD continued

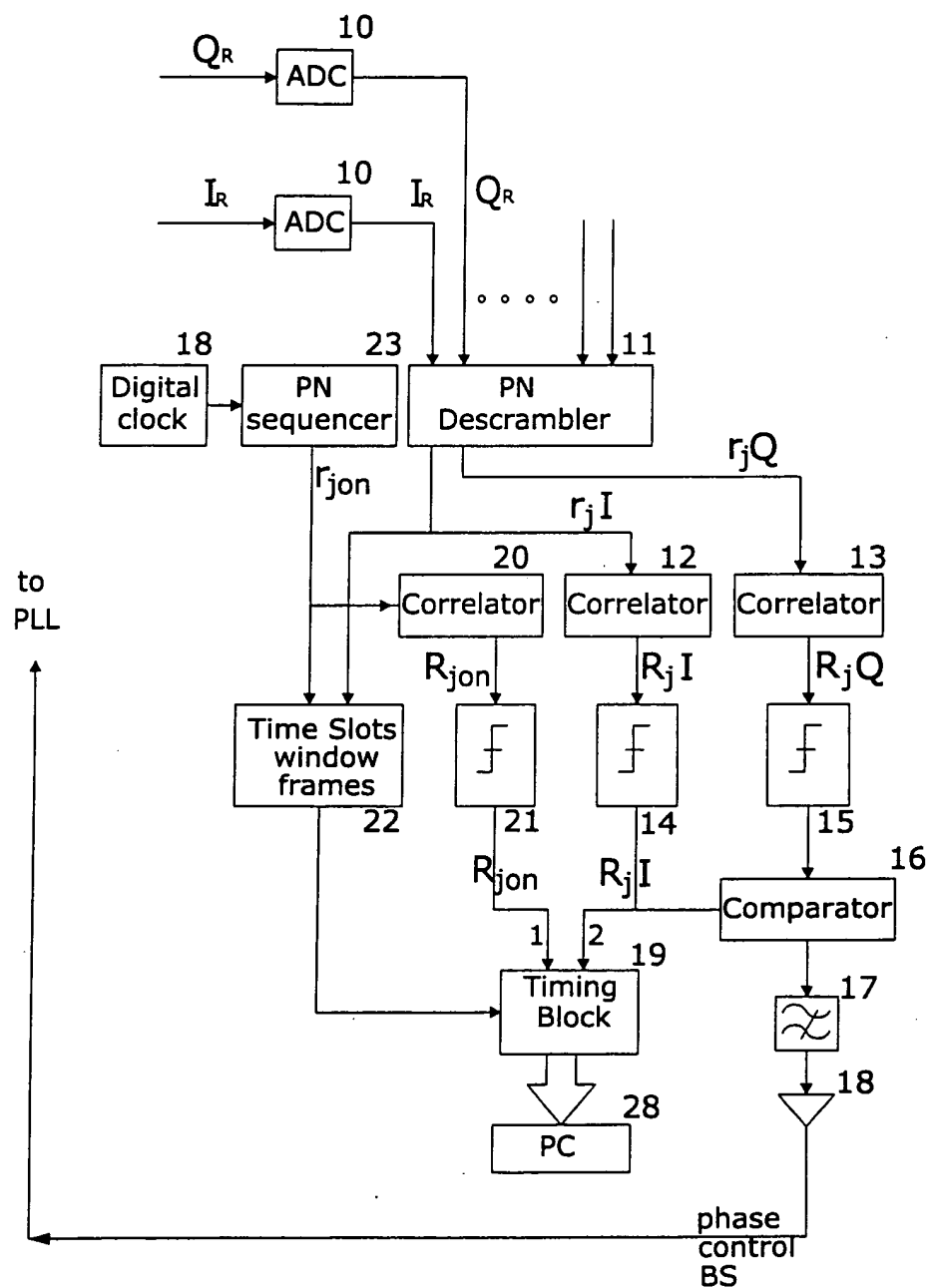


Fig. 5a Diagram of Unit 19-  
Timing Block in Fig.4b

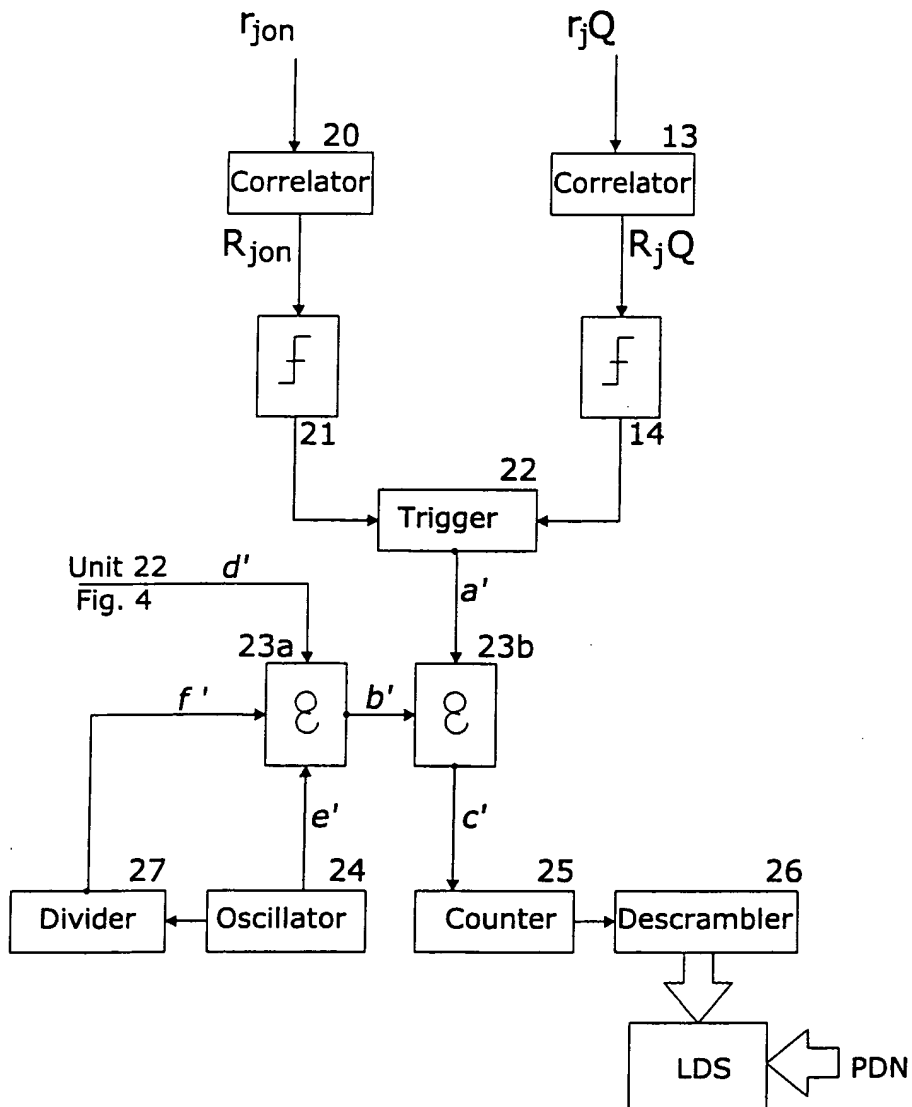




Fig. 5b Diagram of Signal Pulses

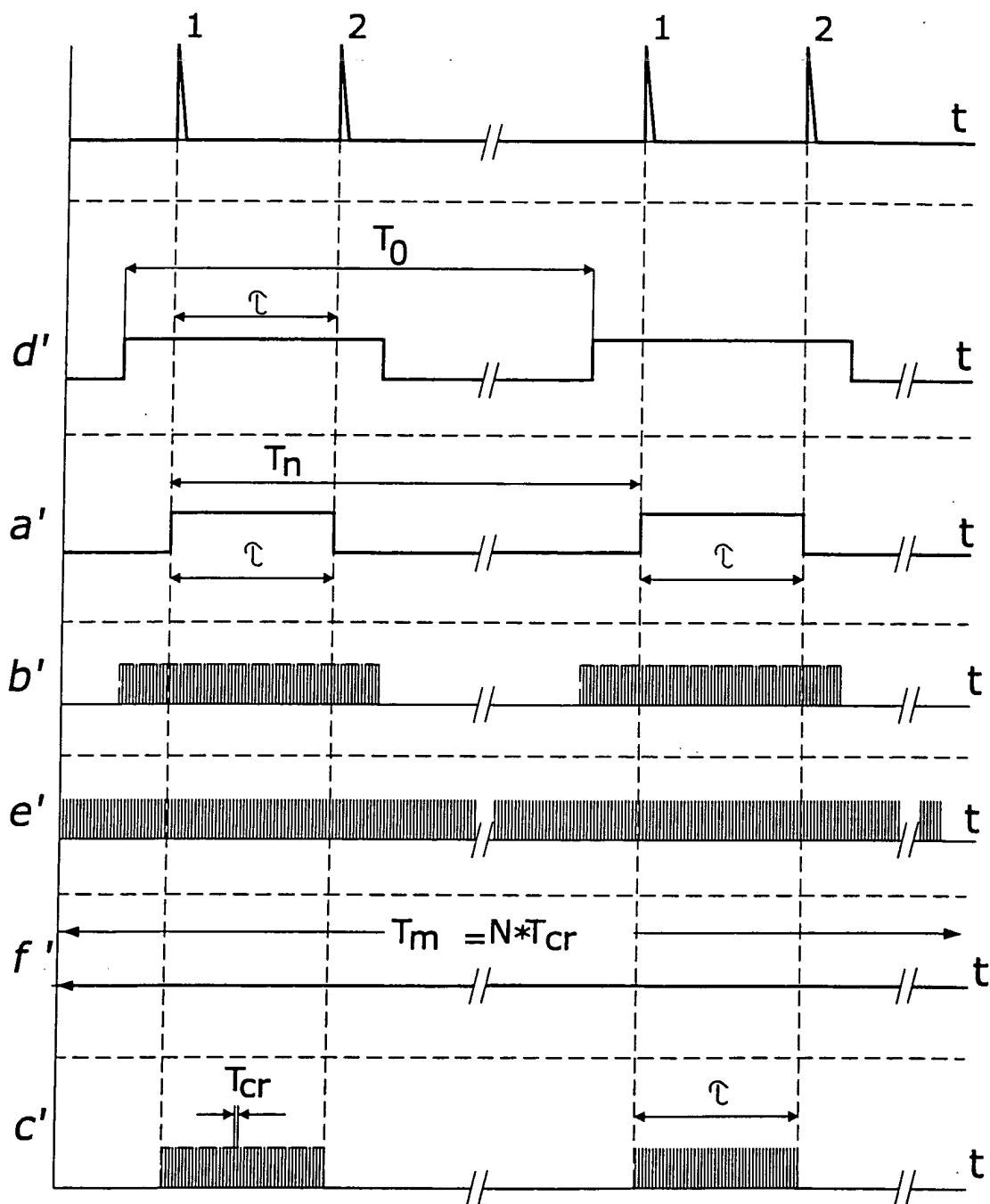


Fig. 6a Diagram of 2-Receiver Configuration

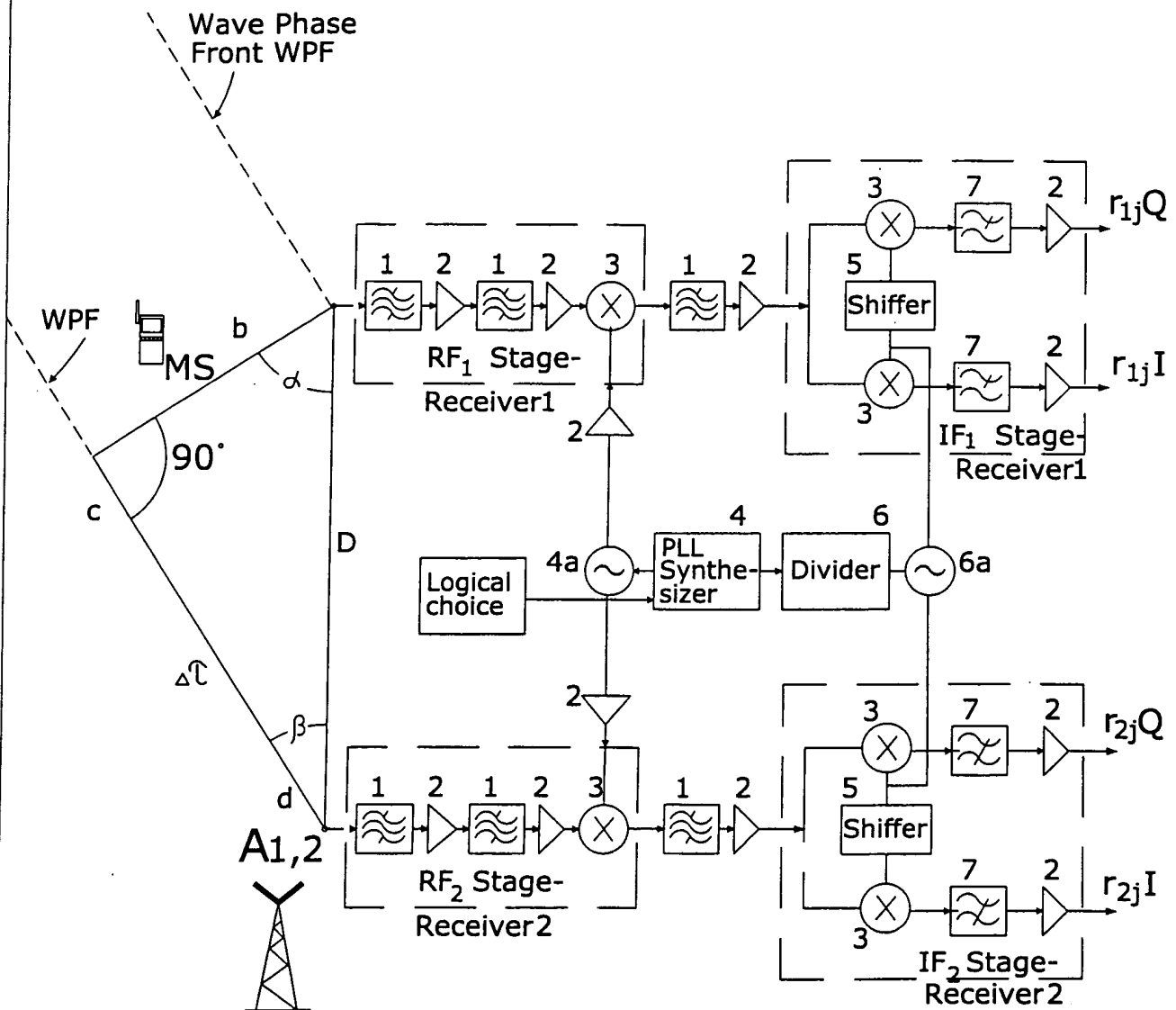


Fig. 6b Diagram of 2-Receiver Configuration  
continued

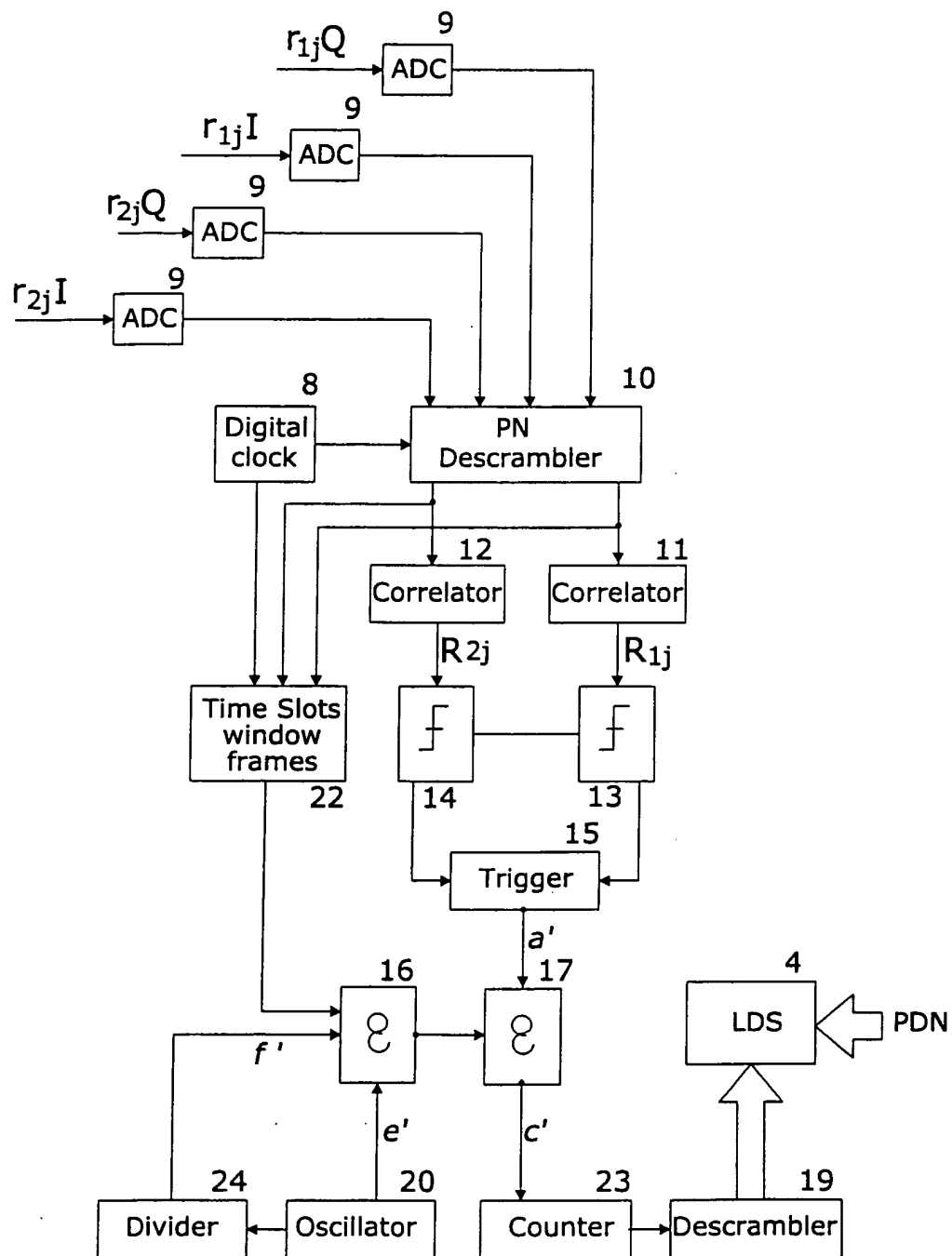


Fig. 7 TDOA 3-D Representation

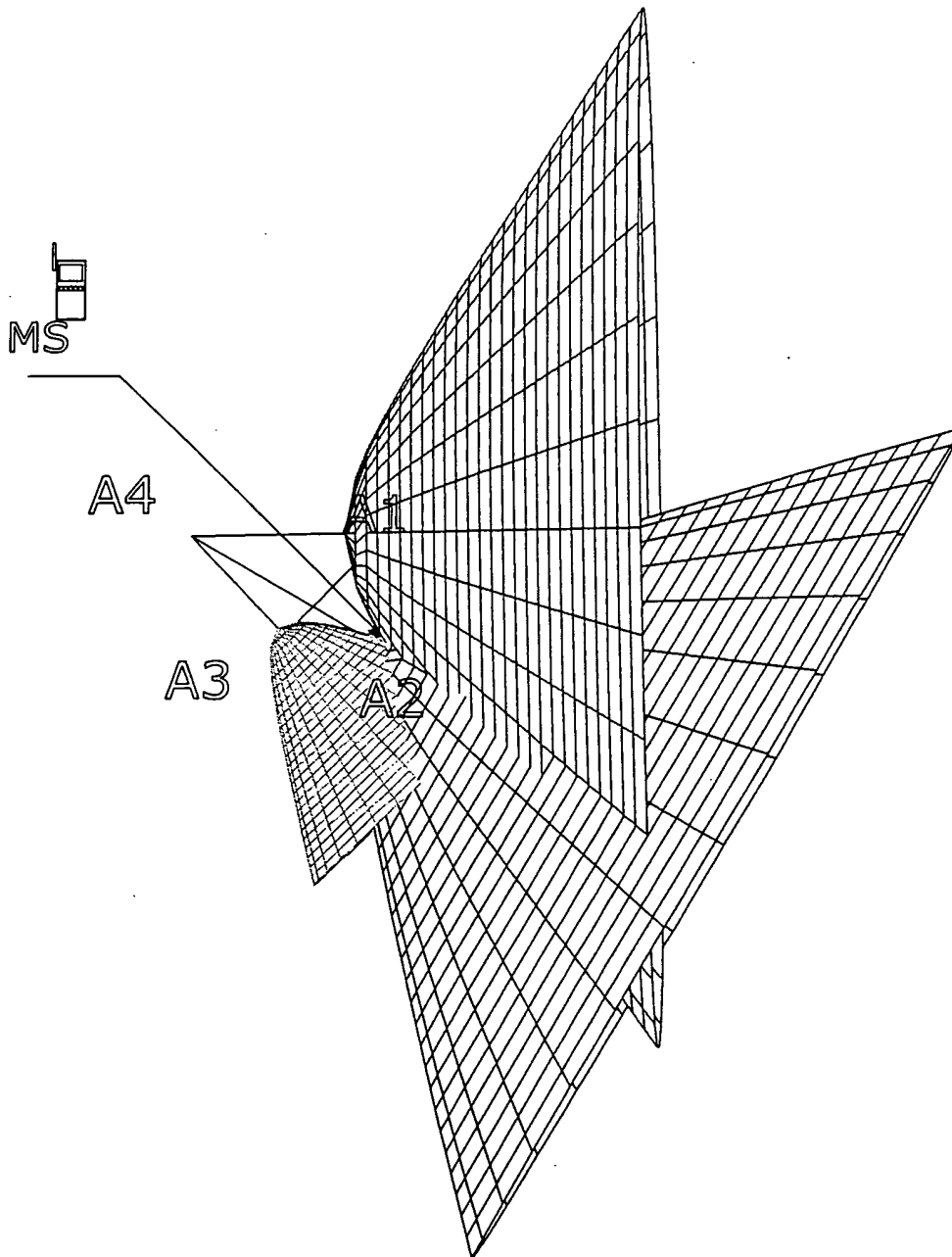


Fig. 8  
Wireless 3D Hyperbolic  
Trilateral Location Method

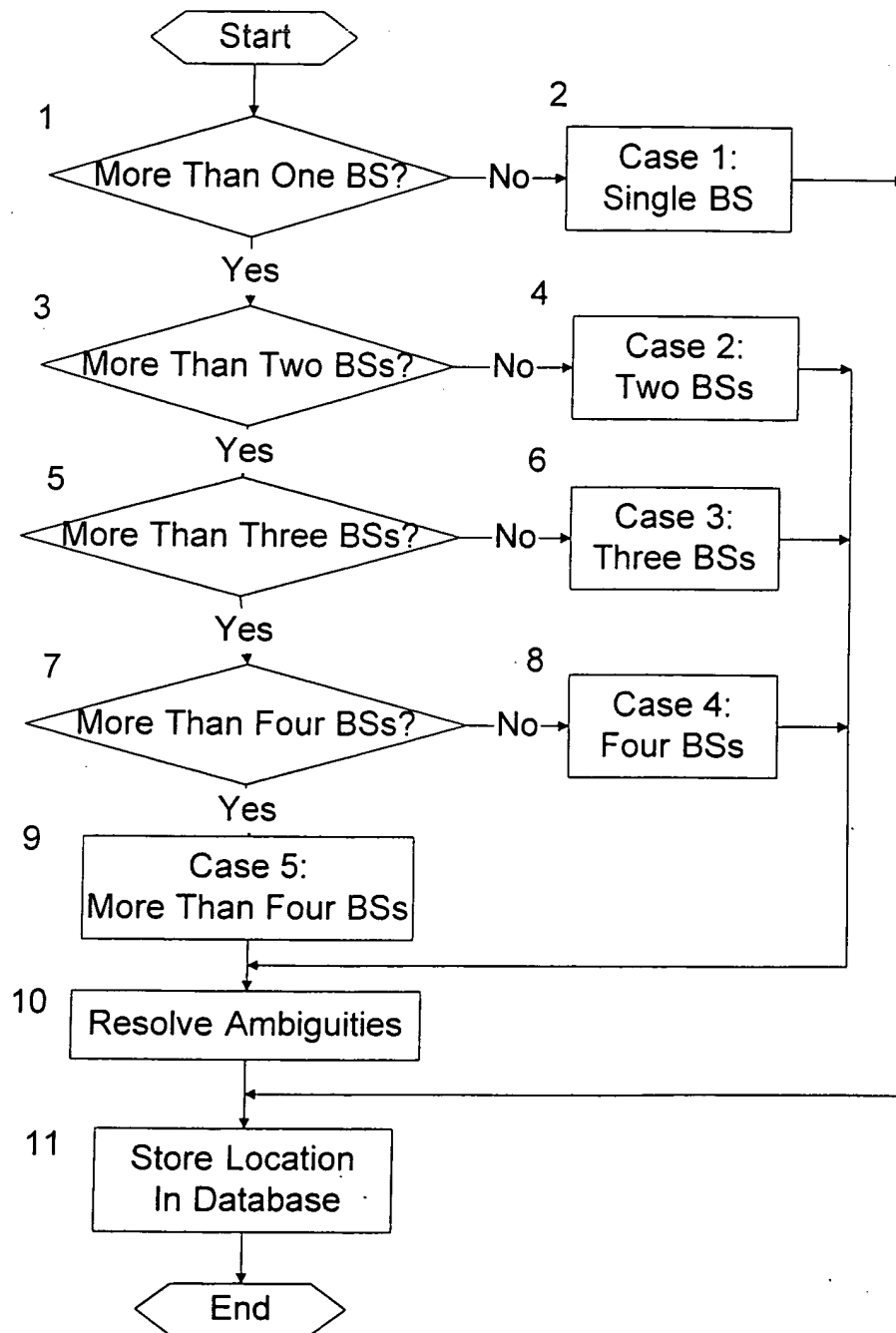


Fig. 9 Single Base Station

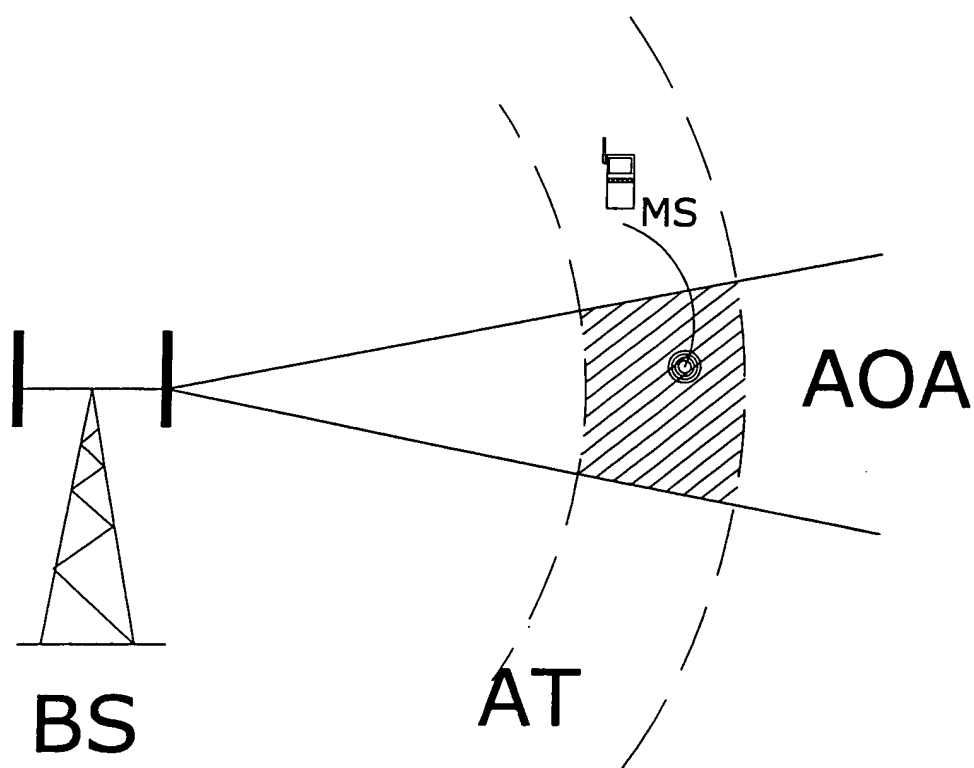


Fig. 10 Two Base Stations

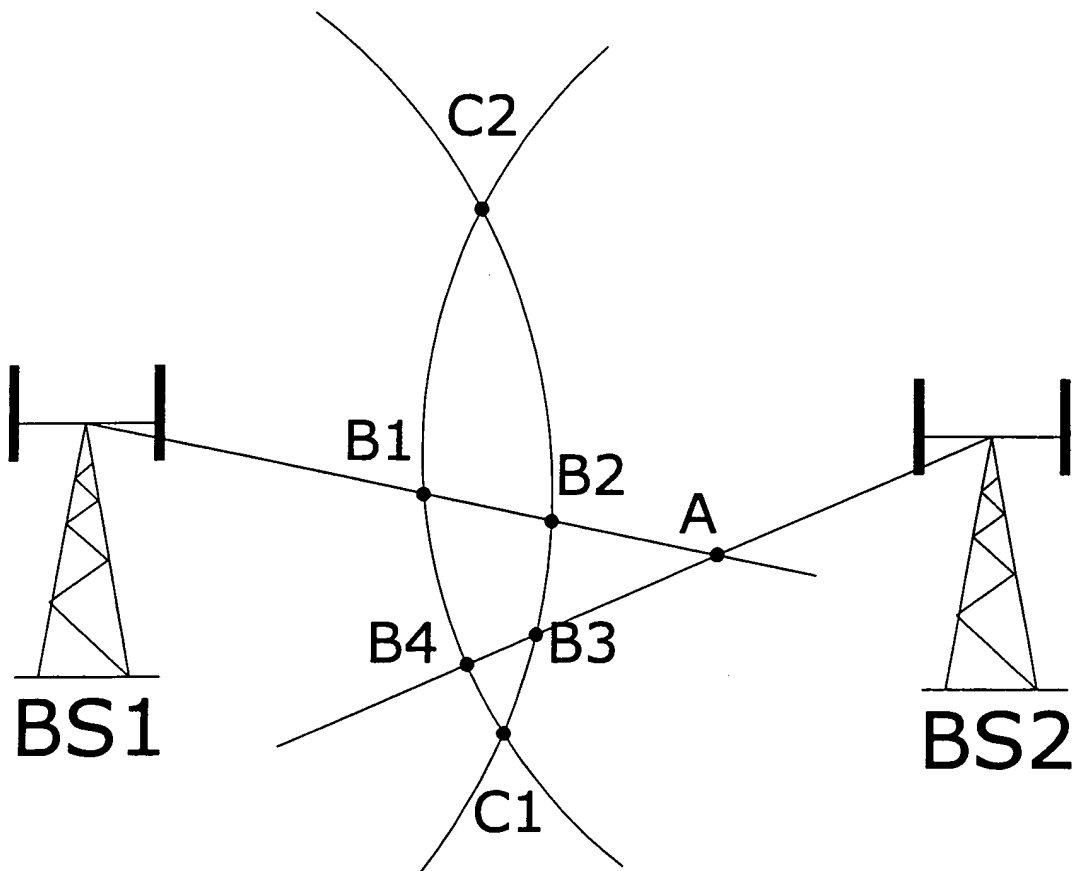


Fig. 11a Three Base Stations: AOA Method

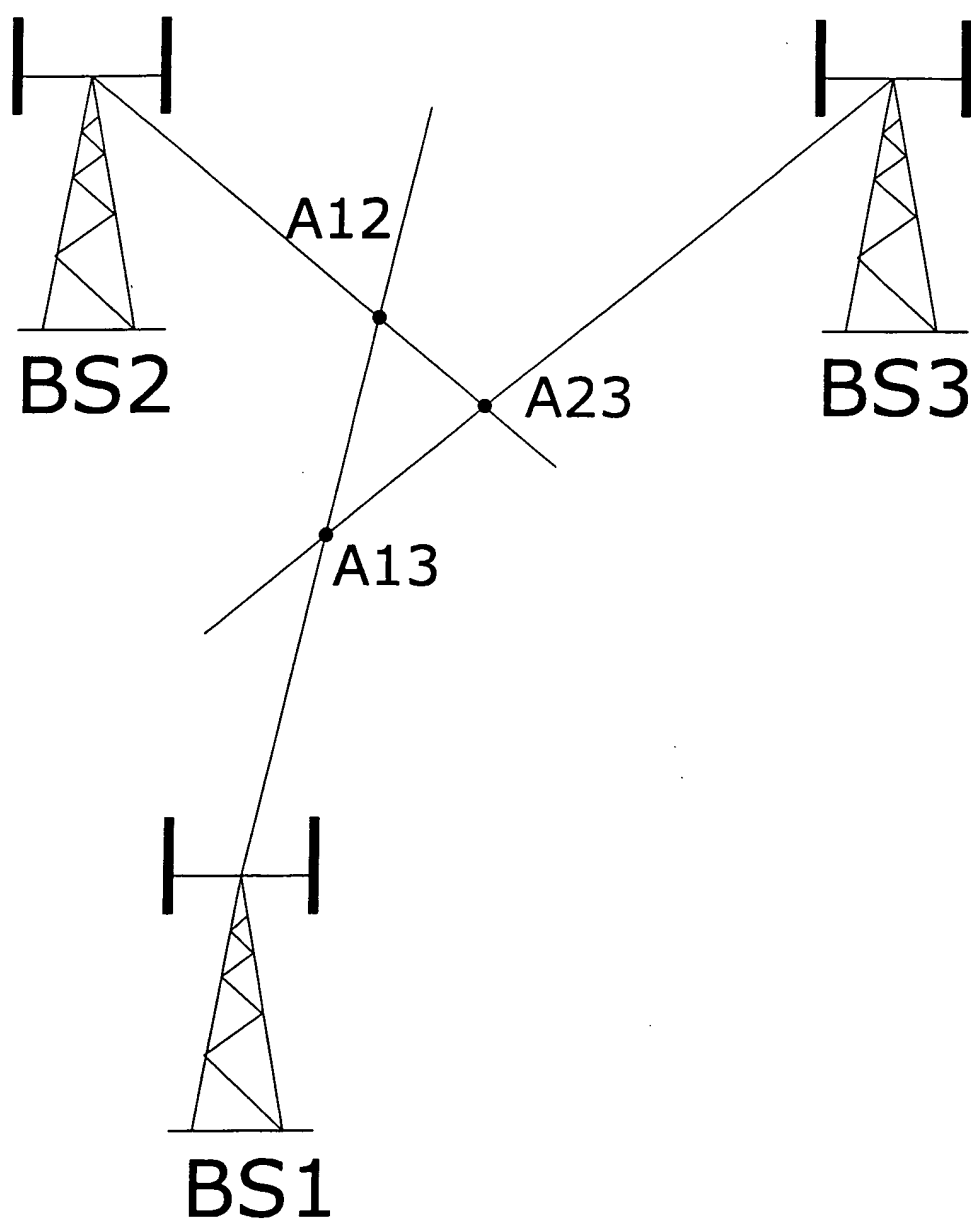




Fig. 11b Three Base Stations

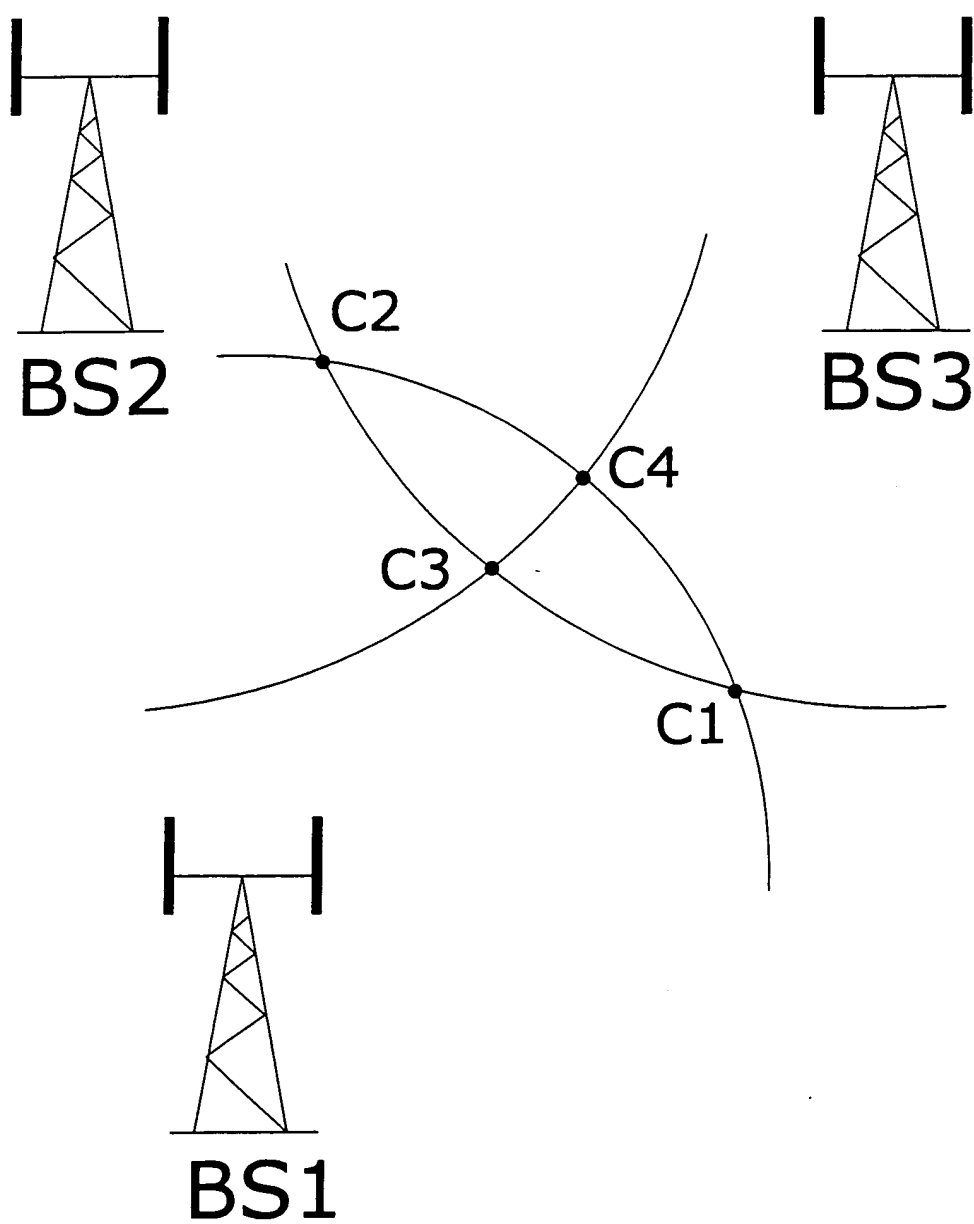




Fig. 12b  
Computations For Case of  
Three Base Stations (cont.)

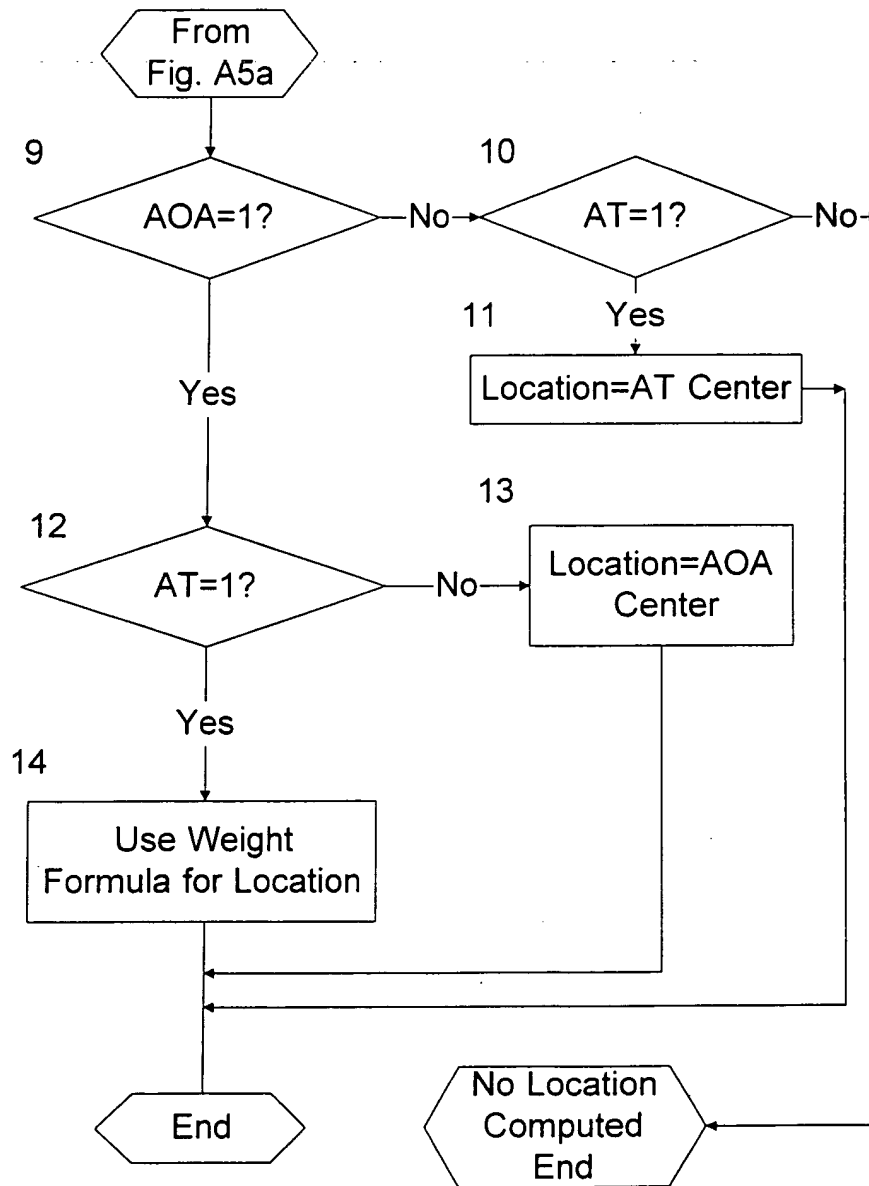


Fig. 13 Four Base Stations

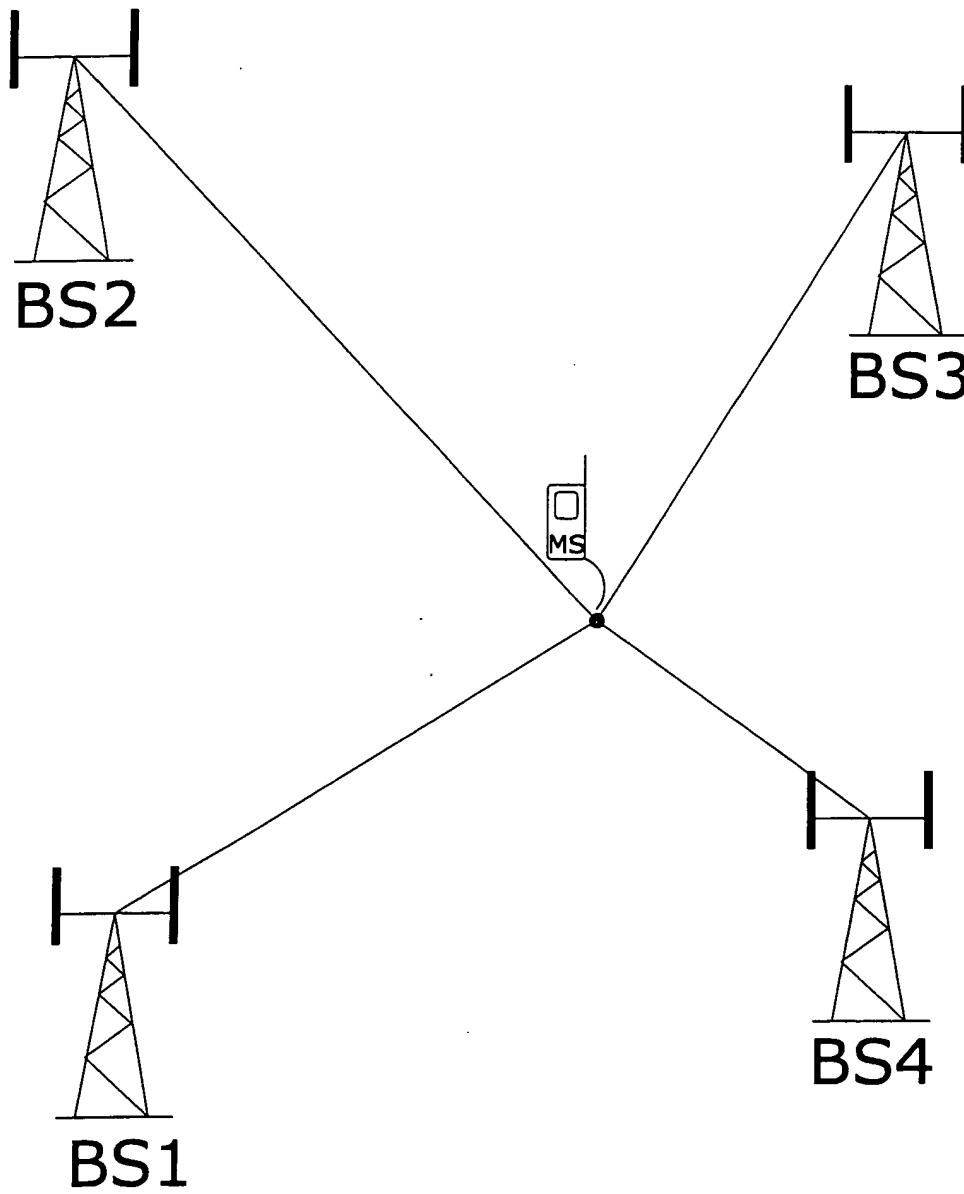


Fig. 14  
Computations for Case of  
Four Base Stations

